

METHOD FOR SUPPORTING MULTIPLE DEVICES ON A HIGH SPEED PHYSICAL LINK

ABSTRACT OF THE DISCLOSURE

5 In some embodiments, a method for supporting multiple devices on a high speed
physical link may be described. An embedded device may assert a link request pin to
request to transmit data on a multi-point communications link that may serve a plurality of
embedded devices. A controlling device may receive the link request signal. When the
controlling device finishes sending data on the link, it may address the plurality of
10 embedded devices in a round robin format and may determine which device asserted the
link request pin. The embedded device that asserted the link request pin may send an
acknowledgement signal to the controlling device when it is addressed.